LED HORIZON DMX SERIES

USER'S MANUAL

203-RGBW

THANK-YOU

Fist of all, we thank you for having chosen the LED Horizon DMX . The LED Horizon DMX is a great and reliable device that can meet most of your requirements for entertainment markets. It can be just plug-and-play, and also can be controlled via standard DMX512 for sophisticated requirements.

All of our products are made on our business philosophy:

- we believe that satisfied customers are the key to a successful business and that controlled growth is the only path to sustained profitability.
- We believe that there is no point in supplying products that are substandard or inadequate. In the long run, it never pays

You can always rely on us.

Thanks again!
Flash-butrym

CATALOG

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WARNING

Safety Instructions:

This product guidel contains important information about the safe installation and use of this device. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

When unpacking and before disposing of the carton, check there is no transportation damage before using the device. Should there be any damage caused by transportation, consult your dealer and do not use the device.

The device is for indoor use only. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids. The device is not designed or intended to be mounted directly on to inflammable surfaces.

The device is only intended for installation, operation and maintenance by qualified personnel.
The device must be installed in a location with adequate ventilation, at least 50cm from adjacent wall surfaces.

Be sure that no ventilation slots are blocked.
Do not attempt to dismantle and/or modify the device in any way.
Electrical connection must only be carried out by qualified personnel.

Before installation, ensure that the voltage and frequency of power supply match the power requirements of the device.

It is essential that each device is correctly earthed and that electrical installation conforms to all relevant standards.
Do not connect this device to any other types of dimmer apparatus.
Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug.
Never pull out the plug by tugging the power-cord.

The device should always be installed with a secondary safety fixing. A safety cord is supplied for this; it should be attached as shown in “installing the device” section.

There is no user serviceable parts inside the device do not open the housing and never operate the device with the covers removed.

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
Prevent this product from strong vibration or impact. Don’t use it in shaking conditions.

The maximum ambient temperature ta = 45 °C must never exceeded.
The relative humidity must not exceed 50% with an ambient temperature of 45°C.

If this device is operated in any other way other than the one said in this manual, this device may suffer damages and thus the warranty becomes void.

Always disconnect from the mains, when the device is not in use or before cleaning it or before attempting any maintenance work.

If you have any questions, don't hesitate to consult your dealer.

IMPORTANT:

Every unit is tested completely and packed properly by the supplier. Please make sure the packing and / or the unit is in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the supplier and / or dealer.

The supplier will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

CAUTION! EYEDAMAGES!
Avoid looking directly into the light source,
Meant especially for epileptics!

PLEASE recycle the shipping carton whenever possible.

Rigging

Concerning rigging, trussing for this device, please follow the European and national guidelines.

Only the qualified technicians are allowed for the device installation,

The device must never be mounted for a possible swinging position, and a safety cord attached must always be used.

IMPORTANT:

Improper installation can lead to serious damage to people and property.

This device is not supplied with a plug, and it has an open power cable. So when connecting the device to the mains with a power plug, ensure that the right color cable is connected to the right place. The following table is for your reference.

International	EU Cable	The U.K. Cable	US Cable	Pin
L	Brown	Red	Yellow/Copper	Fase
N	Blue	Black	Silver	Nul
⊥	Yellow/Green	Green	Green	Earth

IMPORTANT:

Please ensure that the device is always connected to the earth properly.

Description

When you receive this product, please check if there are any problems caused by transportation. And also check if you have received all parts as follows:

1. LED Horizon DMX: 1 pcs
2. Controller: 1 pcs
3. Power cable 1 pcs
4. 5 pin Controller Cable: 1 pcs
5. LED Lamp: 20 pcs lamp (spare parts)
6. This manual: 1 pcs

The -203RGBW is one of the LED Horizon DMX series. All LED Horizon DMX are made of high brightness LEDs, and fire retardant cloth. Its control system is designed friendly for operation. The LED Horizon DMX can be produced for various ways of installation, and can be connected one to another easily and freely.

The LED Horizon DMX can work to produce a lot effect: strobe, dimming, all LED on and off. 120 pcs LEDs work in four groups, and each group can be control separately by standard DMX 512.

The LED Horizon DMX has multifunctional operation modes to meet various requirements.
Each mode can be operated by turning the knob on left side of the control box panel, meanwhile, you can also adjust effect speeds by turning the knob on the right side.

Installation

1、Please make sure the voltage matches with this product.

2、The installation can be carried out by qualified technicians only.

3、Please make sure there isn't any flammable material at the range of 0.5M when installing. Keep the space between the cloth and the wall 15CM minimum.

4、Please avoid strong wind and ventilation in the operation area.

Function Switch

Set “1” : All ON
Set “2” : Automatic
Set “3” : Soundactive
Set “4” : DMX Control

Operation

Controller Funtion

FRONT

1: DMX Address

2: Microphone

3: Function Switch

4: Adjust Switch

BACK

5: Power Input

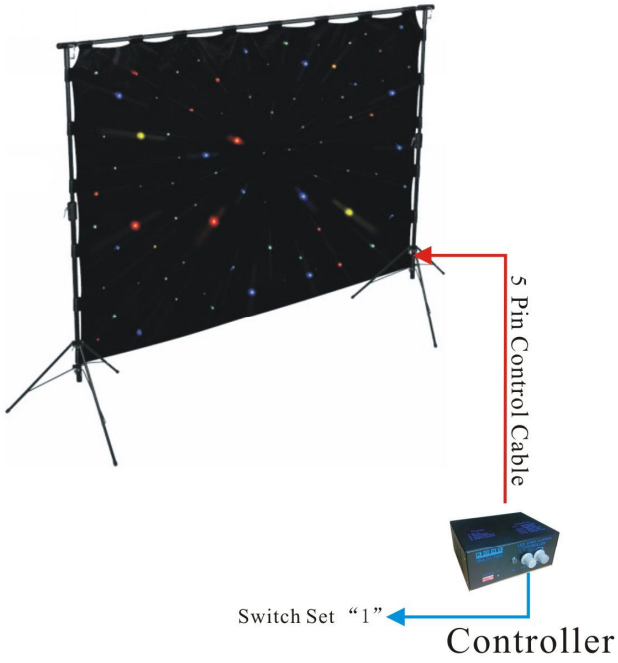
6: Power Switch

7: DMX signal Input

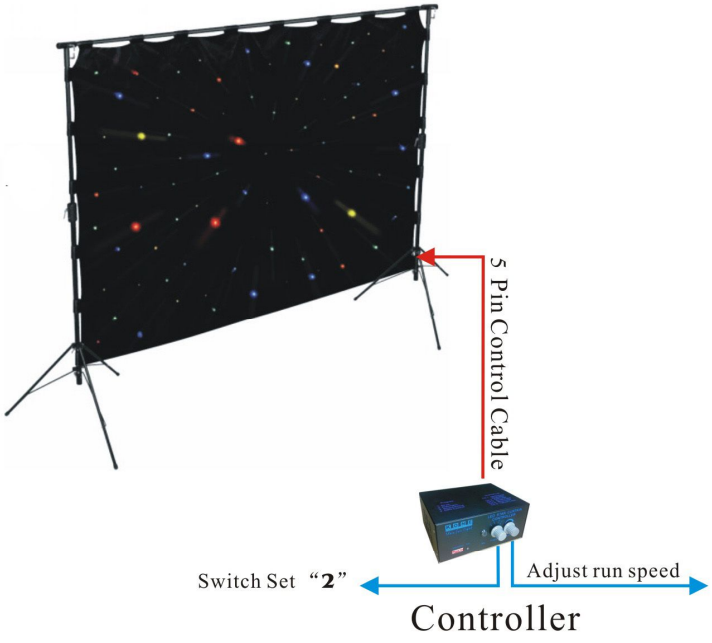
8: DMX Signal Output

9: Power Output

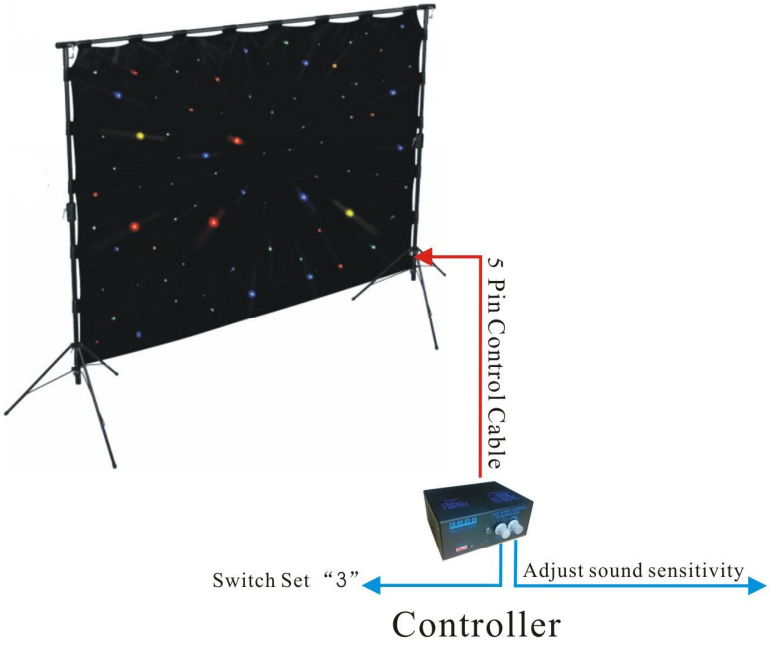
All ON Control System



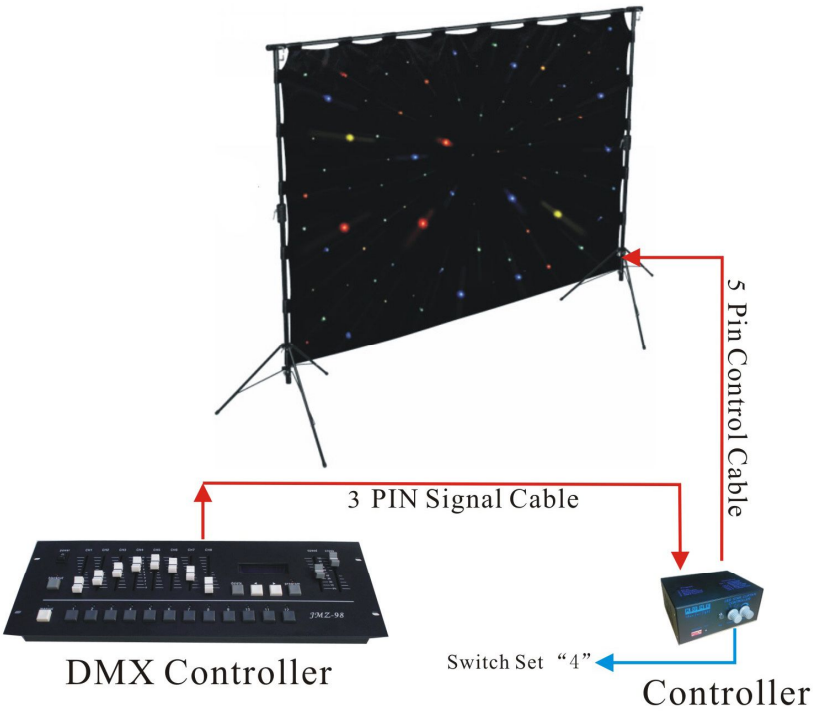
Automatic Control System



Sound Active Control System



DMX Control System



Main function

1.All on
2.Automatic (Pls refer to the “Address setting” in the “for our pro controller)
3.Sound active
4.DMX (DMX address in the controller set to :1)

Automatic Function Setting

FOR KONE PRO CONTROLLER [2.(Automactic)]				FOR DMX CONTROLLER	
Program	Address Setting	Program Effect		DMX Date (CH2)	Adjust
P1	“1”+ ”8”	Four color change		10~26	Four color change
P2	“2”+ ”8”	Four color shade		27~43	Four color shade
P3	“3”+ ”8”	Four color strobe and change		44~60	Single color srobe
P4	“4”+ ”8”	Four color strobe		61~77	Four color strobe
P5	“5”+”8”	All color shade		78~94	All on
P6	“1”+ ”7”	Red on		95~111	Red
P7	“2”+ ”7”	Green on		112~128	Green
P8	“3”+ ”7”	Blue on		129~145	Blue
P9	“4”+ ”7”	White on		146~162	White
P10	“5”+ ”7”	Four color all on		163~179	All on
P11	“1”+ ”6”	Red strobe		180~196	Red Strobe
P12	“2”+ ”6”	Green strobe		197~213	Green Strobe
P13	“3”+ ”6”	Blue strobe		214~230	Blue Strobe
P14	“4”+ ”6”	White strobe		231~255	White Strobe

DMX Channels Function

Channel NO.	Function	Controller Date
CH 1	Dimmer	0~255
CH 2	Program Select (P1~P12)	0~255
CH 3	Autorun Speed	0~255

DMX Address Setting

Pro Controller No.	Address Setting	Pro Controller No	Address Setting
1st	1	5th	1+7
2nd	1+5	6th	1+5+7
3rd	1+6	7th	1+6+7
4th	1+5+6	8th	1+5+6+7

Maintenance

The LED Horizon DMX is almost free of maintenance. If some of LEDs been damaged, you just need to replace the dead ones with the spare LEDs attached in the package.

To replace the LEDs, first of all, unplug the device from the power supply. Unzip the cloth and find the dead LEDs. Hold the dead LED, and remove the clip from front side of the cloth. Change the LED, and put back the clip. Zip the cloth, and connect the device to the power supply.

To ensure the reliability of the LED Horizon DMX, it should be kept clean. Keep it away from oil and other stains.

Specifications

Voltage: AC 90V-260V, 50Hz
Fuse: 3A (Power Supply), 10A (Control PCB)
Lamp: 120 pcs φ5 high power LEDs,
Channels: 3 channels
Operation modes: All LEDs on; DMX Control; Sound Activated; Auto run
Weight: 7 kg
Size: 2 x 3 meter

NOTE: Due to improvement, the product specifications and this manual are subject to change without prior notice.